



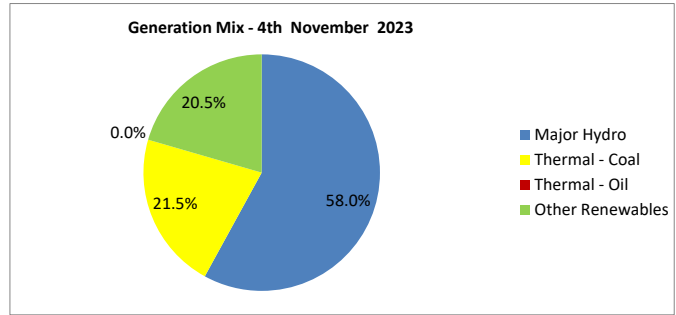
Daily Electricity Generation & Cost Estimation Report

4th November 2023



Daily Generation Mix - 4th November 2023

Plant Type	Generation (GWh)	Percentage
Major Hydro	21.85	58.0%
Thermal - Coal	8.10	21.5%
Thermal - Furnace Oil	0.00	0.0%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	0.23	0.6%
Wind - IPP	0.16	0.4%
Solar - IPP - Ground Mounted	0.57	1.5%
Solar - Roof Top	1.64	4.4%
Mini Hydro	4.87	12.9%
Municipal Solid Waste	0.26	0.7%
Total	37.68	



Note – Estimated generation from roof top solar, non-telemetered solar and mini hydro plants has been included in the above figures

Estimated Generation Cost : 4th November 2023

Plant Type	Energy Cost (LKR Mn)	Non Fuel Energy Cost (LKR Mn)	Capacity Cost (LKR Mn)	Total Cost of Generation (LKR Mn)	Energy Cost per Unit (LKR/kWh)	Non fuel Energy Cost per Unit (LKR/kWh)	Capacity Charge per Unit (LKR/kWh)	Cost of Electricity per Unit (LKR/kWh)
Major Hydro	0.0	0.0	45.1	45.1	0.00	0.00	2.06	2.06
Thermal - Coal	178.2	8.5	68.3	254.9	22.00	1.04	8.43	31.47
Thermal - Furnace Oil	0.0	6.2	57.0	63.1	0.00	0.00	0.00	0.00
Thermal - Diesel	0.0	1.9	15.3	17.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	1.2	5.5	6.7	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	6.1	6.1	0.00	0.00	26.65	26.65
Wind - IPP	2.2	0.0	0.0	2.2	13.99	0.00	0.00	13.99
Solar - IPP - Ground Mounted	11.0	0.0	0.0	11.0	19.43	0.00	0.00	19.43
Solar - Roof Top	39.3	0.0	0.0	39.3	23.99	0.00	0.00	23.99
Mini Hydro	66.6	0.0	0.0	66.6	13.67	0.00	0.00	13.67
Municipal Solid Waste	9.1	0.0	0.0	9.1	34.58	0.00	0.00	34.58
Total	306.4	17.7	197.3	521.4	8.13	0.47	5.24	13.84

Note -

Start/Stop costs has been excluded in the calculation

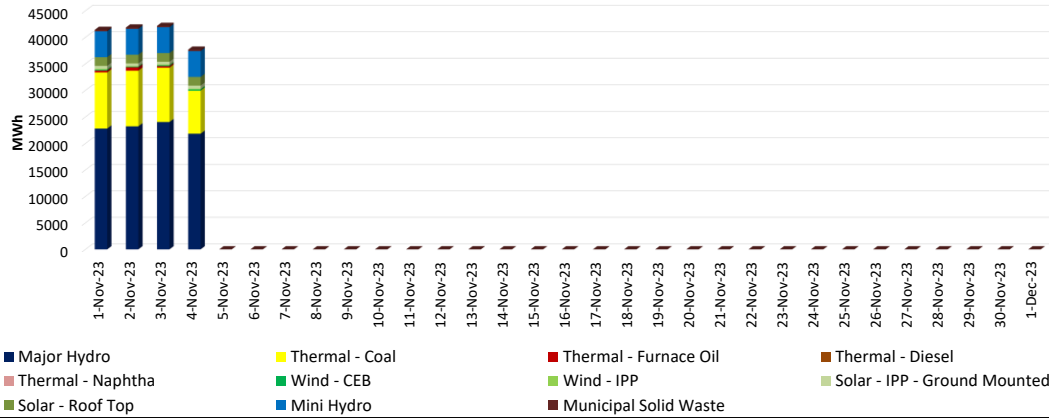
Unit Cost of Generation for the day : **13.84** LKR/kWh
 Total Generation Cost for the day: **521.4** Mn LKR

Fuel Prices

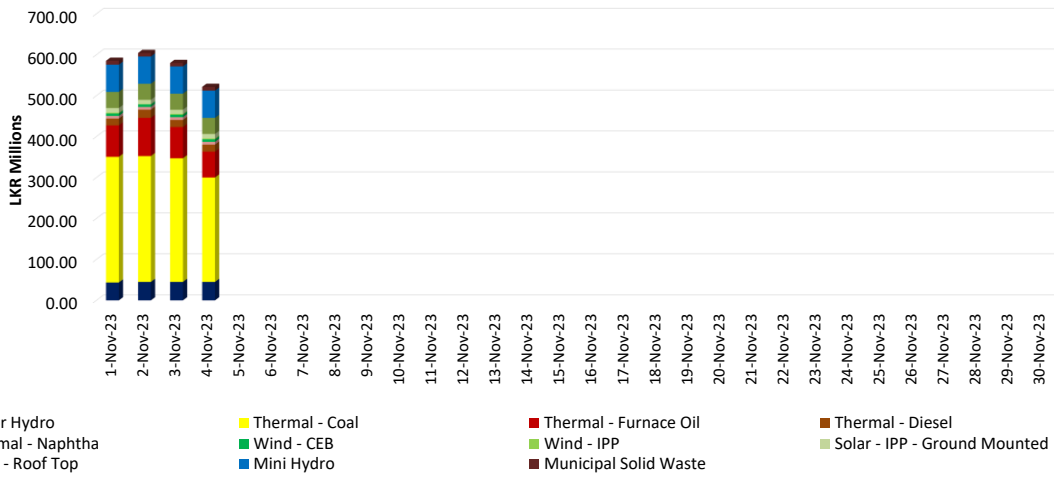
(as at 1st Nov 2023)

	Price (LKR/Liter or LKR/kg)
Furnace	205.00
Coal	53.58
Naphtha	161.00
Auto Diesel	356.00

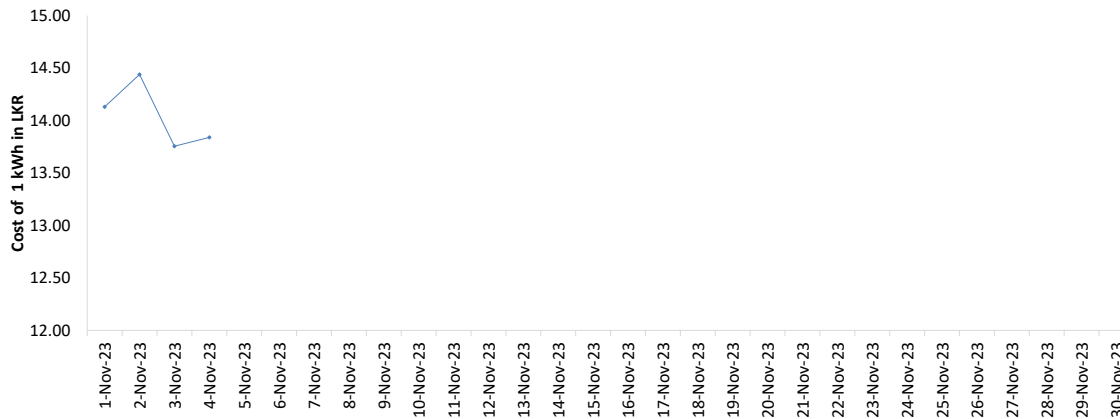
Generation Mix -November 2023

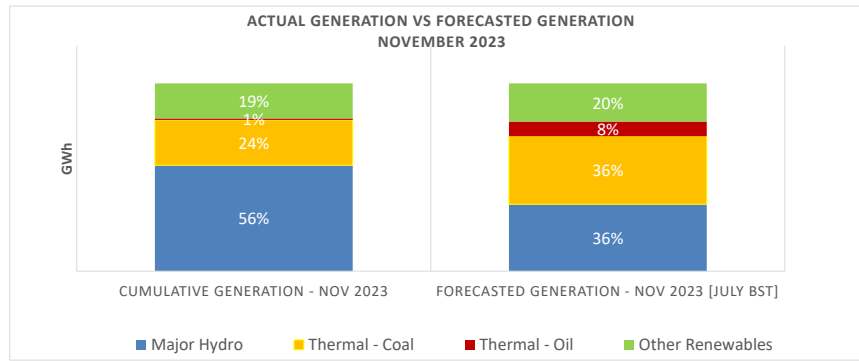


Cost of Generation -November 2023



Per Unit Cost of Generation - November 2023





	Cumulative Generation - November 2023 [GWh]	Forecasted Generation [BST July Submission] - November 2023 [GWh]
Major Hydro	92	442
Thermal - Coal	39	450
Thermal - Oil	1	97
Other Renewables	30	253
Total	163	1242

Estimated Cost of Generation - November 2023 (Mn LKR)

Major Hydro	178.83 Mn LKR
Thermal - Coal	1171.03 Mn LKR
Thermal - Furnace Oil	309.75 Mn LKR
Thermal - Diesel	70.90 Mn LKR
Thermal - Naphtha	26.59 Mn LKR
Wind - CEB	24.32 Mn LKR
Wind - IPP	7.30 Mn LKR
Solar - IPP - Ground Mounted	42.75 Mn LKR
Solar - Roof Top	157.37 Mn LKR
Mini Hydro	266.29 Mn LKR
Municipal Solid Waste	35.44 Mn LKR
Total Generation Cost (Nov)	2,290.56 Mn LKR
Average Unit Cost of Generation (Nov)	14.05 LKR/kWh